



PATENT & TRADEMARK OFFICE

FORM PTO-1449/A and B (Modified)

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

APPLICATION NO.: 10/039,770

ATTY. DOCKET NO.: V0139/7050

FILING DATE: November 9, 2001

APPLICANT: Ward et al.

GROUP ART UNIT: Unknown

EXAMINER: Unassigned

*1615*  
BASKAR P

Sheet 1 of 2

**U.S. PATENT DOCUMENTS**

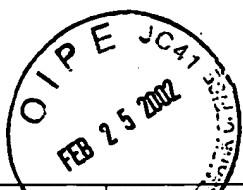
| Examiner's Initials# | Cite No. | U.S. Patent Document |           | Name of Patentee or Applicant of Cited Document | Date of Publication or of issue of Cited Document MM-DD-YYYY |
|----------------------|----------|----------------------|-----------|---|--|
|                      |          | Number               | Kind Code |   |  |
|                      | A1       | 5,101,017            | B1        | Rubinstein et al.                               | 03/31/1992   |
|                      | A2       | 6,066,623            | B1        | Hoffman et al.                                  | 05/23/2000   |
|                      | A3       | 6,120,770            | B1        | Adams et al.                                    | 09/19/2000   |

**FOREIGN PATENT DOCUMENTS**

| Examiner's Initials# | Cite No. | Foreign Patent Document |        |           | Name of Patentee or Applicant of Cited Document (not necessary) | Date of Publication of Cited Document MM-DD-YYYY | Translation (Y/N) |
|----------------------|----------|-------------------------|--------|-----------|---|--|-------------------|
|                      |          | Office/Country          | Number | Kind Code |   |  |                   |
|                      |          |                         |        |           |   |  |                   |

**OTHER ART — NON PATENT LITERATURE DOCUMENTS**

| Examiner's Initials# | Cite No | Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.  | Translation (Y/N) |
|----------------------|---------|--|-------------------|
|                      | C1      | BERCOVICI, T. et al., "5-[ <sup>125</sup> I]iodonaphthyl Azide, a Reagent to Determine the Penetration of Proteins into the Lipid Bilayer of Biological Membranes", <i>Biochemistry</i> , April 18, 1978, Pages 1484-1489, Vol. 17, No. 8  |                   |
|                      | C2      | BRYDGES, S.D. et al., "Molecular characterization of TgMIC5, a proteolytically processed antigen secreted from the micronemes of <i>Toxoplasma gondii</i> ", <i>Molecular and Biochemical Parasitology</i> , 2000, Pages 51-66, Vol. 111, Elsevier Science B.V.  |                   |
|                      | C3      | CAREY, K.L. et al., "Identification and molecular characterization of GRA8, a novel, proline-rich, dense granule protein of <i>Toxoplasma gondii</i> ", <i>Molecular and Biochemical Parasitology</i> , 2000, Pages 25-37, Vol. 105, Elsevier Science B.V.   |                   |
|                      | C4      | CARRUTHERS, V.B. et al., "Mobilization of intracellular calcium stimulates microneme discharge in <i>Toxoplasma gondii</i> ", <i>Molecular Microbiology</i> , 1999, Pages 421-428, Vol. 31, No. 2, Blackwell Science Ltd.  |                   |
|                      | C5      | CARRUTHERS, V.B. et al., "Ethanol and acetaldehyde elevate intracellular [Ca <sup>2+</sup> ] and stimulate microneme discharge in <i>Toxoplasma gondii</i> ", <i>Biochem. J.</i> , 1999, Pages 379-386, Vol. 342, Biochemical Society Great Britain  |                   |
|                      | C6      | CARRUTHERS, V.B. et al., "Secretion of micronemal proteins is associated with toxoplasma invasion of host cells", <i>Cellular Microbiology</i> , 1999, Pages 225-235, Vol. 1, No. 3, Blackwell Science Ltd.  |                   |
|                      | C7      | CARRUTHERS, V.B. et al., "The <i>Toxoplasma</i> Adhesive Protein MIC2 is Proteolytically Processed at Multiple Sites by Two Parasite-derived Proteases", <i>The Journal of Biological Chemistry</i> , May 12, 2000, Pages 14346-14353, Vol. 275, No. 19, The American Society for Biochemistry and Molecular Biology, Inc. USA |                   |
|                      | C8      | CHITTUM, H.S. et al., "Rabbit β-Globin is Extended Beyond Its UGA Stop Codon by Multiple Suppressions and Translational Reading Gaps", <i>Biochemistry</i> , 1998, Pages 10866-10870, Vol. 37, American Chemical Society   |                   |
|                      | C9      | CHURCH, W.R. et al., "Monoclonal Antibodies to the Amino- and Carboxyl-Terminal Domains of Ovotransferrin", <i>Hybridoma</i> , October 1988, Pages 471-484, Vol. 7, No. 5, Mary Ann Liebert, Inc.  |                   |
|                      | C10     | DONAHUE, C.G. et al., "Characterization of Apical Membrane Antigen-1, AMA-1, a novel transmembrane protein of <i>Toxoplasma gondii</i> ", <i>Department of Microbiology and Molecular Genetics Annual Retreat Poster</i> , October 15-16, 1999   |                   |
|                      | C11     | DONAHUE, C.G. et al., "The <i>Toxoplasma</i> homolog of <i>Plasmodium</i> apical membrane antigen-1 (AMA-1) is a microneme protein secreted in response to elevated intracellular calcium levels", <i>Molecular Parasitology Meetings Poster</i> , Woods Hole, MA, September 17-21-2000  |                   |
| <i>yb</i>            | C12     | DONAHUE, C.G. et al., "The <i>Toxoplasma</i> homolog of <i>Plasmodium</i> apical membrane antigen-1 (AMA-1) is a microneme protein secreted in response to elevated intracellular calcium levels", <i>Department of Microbiology and Molecular Genetics Annual Retreat</i> , Oral Presentation, October 7, 2000                |                   |



HT3

|  |                      |  |  |  |
|--|----------------------|--|--|--|
|  | C13<br><del>A1</del> | DONAHUE, C.G. et al., "The <i>Toxoplasma</i> homolog of <i>Plasmodium</i> apical membrane antigen-1 (AMA-1) is a microneme protein which is secreted from the parasite in response to elevated intracellular calcium levels", <i>ASCB Annual Meeting Article No. 1236</i> , San Francisco, CA, December 9-13, 2000, Molecular Biology of the Cell II |  |  |
|  | C14                  | ENG, J.K. et al., "An Approach to Correlate Tandem Mass Spectral Data of Peptides with Amino Acid Sequences in a Protein Database", <i>J. Am. Soc. Mass. Spectrom.</i> , 1994, Pages 976-989, Vol. 5, American Society for Mass Spectrometry   |  |  |
|  | C15                  | HODDER, A.N. et al., "The Disulfide Bond Structure of <i>Plasmodium</i> Apical Membrane Antigen-1", <i>The Journal of Biological Chemistry</i> , November 15, 1996, Pages 29446-29452, Vol. 271, No. 46, The American Society for Biochemistry and Molecular Biology, Inc. USA   |  |  |
|  | C16                  | ROOS, D.S. et al., "Chapter 3: Molecular Tools for Genetic Dissection of the Protozoan Parasite <i>Toxoplasma gondii</i> ", <i>Methods in Cell Biology</i> , 1994, Pages 27-63, Vol. 45, Academic Press, Inc.  |  |  |
|  | C17                  | WAN, K.L. et al., "Molecular characterisation of an expressed sequence tag locus of <i>Toxoplasma gondii</i> encoding the micronemal protein MIC2", <i>Molecular and Biochemical Parasitology</i> , 1997, Pages 203-214, Vol. 84, Elsevier Science B.V.  |  |  |
|  | C18                  | WARD, G.E. et al., "96-Well plates providing high optical resolution for high-throughput, immunofluorescence-based screening of monoclonal antibodies against <i>Toxoplasma gondii</i> ", <i>Journal of Immunological Methods</i> , 1999, Pages 11-18, Vol. 230, Elsevier Science B.V.   |  |  |

EXAMINER

*Patricia Beller*

DATE CONSIDERED

11/18/03

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

\*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. \_\_\_\_\_, filed \_\_\_\_\_, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).